

Page 2 of 22  
Appln. No. 09/935,756  
Preliminary Amendment

Amendments to the Claims:

Claim 1 (Original): A system comprising:

a network;  
a display;  
a removable media; and

a computing device operably coupled to said removable media, said network, and said display, said computing device at least once accessing data on said network, said computing device comprising:

a storage device,  
a browser having a presentation engine displaying content on said display,  
an application programming interface residing in said storage device,

a decoder processing content received from said removable media and producing media content substantially suitable for display on said display, and

a navigator coupled to said decoder and said application programming interface, said navigator facilitating user or network-originated control of the playback of said removable media, said computing device receiving network content from said network and combining said network content with said media content, said presentation engine displaying said combined network content and media content on said display.

Claim 2 (Original): A media services interface for use in controlling the extraction of information from a readable medium by a computing device comprising:

a command handler configured to execute received commands;  
a properties handler configured to report the state of a system attribute in response to a query; an event generator configured to provide notification of one or more system events; a cookie manager configured to generate at least one system

Page 3 of 22  
Appln. No. 09/935,756  
Preliminary Amendment

cookie for preserving information for later recall; and  
a navigator state module operably coupled to said command handler,  
said properties handler, said event generator, and said cookie manager, said  
navigator state module configured to maintain information regarding the state of  
said information extraction from said readable medium.

*A/Cent*  
Claim 3 (Original): A media services interface as in claim 2 further  
comprising:

a bookmark manager configured to generate one or more bookmarks,  
each said bookmark preserving playback information regarding a position in an  
information stream extracted from said readable medium, said bookmark enabling  
later return to said position in said information stream.

Claim 4 (Original): A media services interface as in claim 3 further  
comprising:

a command library comprising one or more commands for use with  
said command handler, said one or more commands comprising:

a command configured to cause said computing device to  
retrieve a medium identifier from said readable medium, said medium identifier  
comprising information unique to said readable medium.

Claim 5 (Original): A media services interface as in claim 4, said  
command library further comprising:

a command configured to cause said said bookmark; and

a command configured to retrieve a stored bookmark and cause a  
return to a position in an information playback stream as indicated by said stored  
bookmark.

Claim 6 (Original): A media services interface as in claim 4, said  
command library further comprising:

Page 4 of 22  
Appln. No. 09/935,756  
Preliminary Amendment

a command for connecting to a network operably connected to said computing device.

**Claim 7 (Original):** A media services interface as in claim 6, said command library further comprising:

a command for closing a previously established connection to a network operably connected to said computing device.

**Claim 8 (Original):** A media services interface as in claim 3 further comprising:

a properties library comprising one or more properties for use with said properties handler, said one or more properties comprising:

a property indicating the type of ROM data on said readable media operably coupled to said computing device.

**Claim 9 (Original):** A media services interface as in claim 8 further comprising:

a display for displaying visual information; and

wherein said properties library comprises a code routine for ascertaining the full screen mode state of said screen.

**Claim 10 (Original):** A media services interface as in claim 2 further comprising:

an identifier engine configured to receive information from said computing device regarding the identity of either said removable media or said computing device, said identifier engine operably coupled to said navigator state module and said cookie manager.

**Claim 11 (Currently amended):** A method for integrating playback of disparate media sources in a device comprising:

Page 5 of 22  
Appln. No. 09/935,736  
Preliminary Amendment

- A  
C  
O
- a) waiting for a device event;
  - b) checking if said removable media supports media source integration responsive to a removable media insertion event;
  - c) checking if said removable media source is a DVD responsive to said removable media supporting source integration;
  - d) returning to said step (a) responsive to said determination indicating said removable media source is not a DVD;[[.]]
  - e) checking whether said device is in a movie mode or a system mode responsive to said removable media being a DVD;
  - f) launching standard playback and thereafter returning to said step (a) responsive to said device being in said movie mode;
  - g) checking if said device has a default player mode of source integration when said device is in said system mode;
  - h) launching standard playback and thereafter returning to said step (a) responsive to said device not having a default player mode of source integration;
  - i) checking if said removable media contains a device-specific executable program when said device having a default player mode of source integration;
  - j) executing said device-specific executable program when said device has said device-specific executable program and thereafter returning to said step (a);
  - k) checking whether said device has a connection to a remote media source;
  - l) launching a default file from said removable media when said device does not have a remote media source connection and thereafter returning to said step (a);
  - m) checking whether said remote media source has content relevant to said removable media;
  - n) displaying said relevant content when said relevant content exists and thereafter returning to said step (a);
  - o) otherwise launching a default file from said removable media and

Page 6 of 22  
Appn. No. 09/935,756  
Preliminary Amendment

thereafter returning to said step (a);  
p) returning to said step (g).

*A*  
*C*  
*S*

Claim 12 (Original): A method as in claim 11, said step (d) comprises:

- d1) checking the default player mode of said device;
- d2) launching standard playback and thereafter returning to said step (a) responsive to said device not having a default player mode of source integration;
- d3) checking if said removable media contains a device-specific executable program when said device having a default player mode of source integration;
- d4) executing said device-specific executable program when said device has said device-specific executable program and thereafter returning to said step (a);
- d5) checking whether said device has a connection to a remote media source;
- d6) launching a default file from said removable media when said device does not have a remote media source connection and thereafter returning to said step (a);
- d7) checking whether said remote media source has content relevant to said removable media;
- d8) displaying said relevant content when said relevant content exists and thereafter returning to said step (a);
- d9) launching a default file from said removable media and thereafter returning to said step (a).

Claim 13 (Original): A method for logging consumer interactions with a network resource via a computing device operably using a removable media comprising:

- retrieving an identifier of said removable media type;
- determining a type of said removable media;

Page 7 of 22  
Appln. No. 09/935,756  
Preliminary Amendment

retrieving a current title of said removable media;  
retrieving an identifier of said computing device;  
retrieving an identifier of said consumer;  
combining said media type identifier, said type, said current title, said computing device identifier, and said consumer identifier and forming therefrom an log file; and  
storing said log file on said computing device.

*(Signature)*

Claim 14 (Original): A method for determining what mode a device can start in, said device having a default playback mode, said method comprising the steps of:  
receiving multimedia content by a platform;  
checking, by said platform, said default playback mode;  
determining, by said platform, whether said disk has additional content;  
loading by said platform, responsive to said disk being determined to have said additional content, said additional content;  
playing said multimedia content responsive to said disk being determined not to have said additional content; and  
playing said additional content responsive to said disk being determined to have said additional content.

Claim 15 (Original): A method for determining if a platform supports a feature comprising the steps of:  
receiving, by a client device, multimedia content having embedded application programming interface code;  
querying, under control of said embedded application programming interface code, whether said feature is supported;  
executing a first set of steps responsive to said feature being determined as supported;  
executing a second set of steps responsive to said feature being

Page 8 of 22  
Appln. No. 09/935,756  
Preliminary Amendment

determined as not supported.

Claim 16 (Original): A method as in claim 15, wherein said multimedia content is received from a network via a network connection.

Claim 17 (Original): A method as in claim 16, wherein at least one of said first set of steps and said second set of steps includes the steps of:

retrieving multimedia content from said network, and  
presenting said retrieved multimedia content on a display coupled to  
said platform.

Claim 18 (Original): A hybrid disk comprising:  
a first information recording area having information recorded therein,  
said first information recording area being unsuitable for re-recording or erasing of  
said recorded information; and  
a second information recording area for user recording of information.

Claim 19 (Original): A directory structure for storing device-common and device-specific files comprising:

A root directory;  
A common directory within said root directory, and  
One or more device-specific directories within said root directory.

Claim 20 (Original): A directory structure as in claim 19 wherein at least one of said device specific directories is chosen from the group consisting of: a directory for storing files specific to the MACKINTOSH (TM) operating system, a directory for storing files specific to a WINDOWS (TM) operating system, a directory for storing files specific to a NUON (TM) multimedia system, a directory for storing files specific to a SONY (TM) PLAYSTATION (TM) system, and a directory for storing files specific to a Linux operating system.

Page 9 of 22  
Appn. No. 09/935,756  
Preliminary Amendment

Claim 21 (Original): A method for determining a program to execute responsive to the insertion of a readable medium in a playback device, said method comprising:

- a) determining the platform of said playback device;
- b) determining whether said readable medium contains a platform-specific executable file suitable for execution on said determined platform;
- c) executing a suitable platform-specific executable file when said determination indicates said platform-specific suitable executable file exists on said readable medium;
- d) executing a default executable file when said determination indicates a suitable platform-specific file does not exist on said readable medium.

Claim 22 (Original): A method as in claim 21 wherein said step (d) of executing comprises:

- d1) determining whether said playback device is connected to a network;
- d2) determining whether a platform-specific content exists on said network for said determined platform;
- d3) downloading and launching said platform-specific content when said platform-specific content is determined to exist on said network;
- d4) executing a default executable file when said determination of step(d3) indicates said platform-specific content does not exist on said network.

Claim 23 (Original): A method for controlling the playback of a readable medium on one or more playback devices by a network source comprising:

- a) allowing one or more client devices to participate in a synchronous playback event;
- b) sending commands to said participating client devices, said commands controlling said participating client devices such that each said

Page 10 of 22  
Appln. No. 09/935,756  
Preliminary Amendment

participating client devices interacts with a readable medium and presents information contained thereon for human consumption substantially in a synchronous manner with other participating client devices.

Claim 24 (Original): A method as in claim 23 further comprising:

c) downloading content to said participating client devices;  
d) sending combine commands to said participating client devices, said combine commands controlling said participating client devices such that said participating client devices combine said downloaded content with local content extracted from said readable mediums to produce combined content, said combine commands further controlling said participating client devices to display said combined content for human consumption.

Claim 25 (Original): A system for controlling the playback of a readable medium on one or more playback devices by a network source comprising:

A network;  
one or more participating client devices coupled to said network and communicatively coupled to said network source;  
a network source of playback commands coupled to said network; said network source having an output comprising one or more commands for control of said participating client devices; said output provided to said participating client devices by said network source, wherein said commands control said participating client devices such that said participating client devices display content for human consumption in a substantially synchronous manner.

Claim 26 (Original): A system as in claim 24 wherein said output further comprises network content provided to said participating client devices wherein said commands further control said participating client devices such that said participating client devices combine said network content with local content to produce combined content and display said combined content for human

Page 11 of 22  
Appln. No. 09/935,756  
Preliminary Amendment

consumption in a substantially synchronous manner.

Claim 27 (Original): A system as in claim 25 wherein said local content is read from local harddisk storage.

Claim 28 (Original): A claim as in claim 25 wherein said local content is read from a removable readable medium.

Claim 29 (Original): A method for logging consumer interactions for a consumer interacting with a network resource via a computing device operably using a removable media comprising:

retrieving an identifier of said removable media type;  
retrieving an identifier of said computing device;  
retrieving an identifier of said network resource;  
combining said media type identifier, said computing device identifier, and said network resource identifier and forming there from a log file;  
and storing said log file on said computing device.

*Att  
cont.*

Claim 30 (New): An information storage medium comprising:  
AV data including at least one video object that is constituted of video object units each having an audio pack, a video pack, and a navigation pack; and event occurrence information for generating an event designated based on a data structure of the AV data.

Claim 31 (New): The information storage medium of claim 30, further comprising:

a markup document for outputting an AV screen corresponding to the AV data, wherein the event occurrence information is recorded in the markup document.

Page 12 of 22  
Appln. No. 09/935,756  
Preliminary Amendment

*A*  
*C*

**Claim 32 (New):** The information storage medium of claim 30, wherein the AV data comprises a video title set, a video object constituting the video title set, and the video object units constituting the video object and including the audio pack, the video pack, and the navigation pack, and the event occurrence information is for requesting that a trigger event occurs when one of the video object units corresponding to the navigation pack of the video title set is reproduced.

**Claim 33 (New):** The information storage medium of claim 32, wherein the event occurrence information requests that designated contents are output on a screen when one of the video object units corresponding to the navigation pack of the video title set is reproduced.

**Claim 34 (New):** The information storage medium of claim 33, further comprising markup document data including the event occurrence information to output a markup screen, wherein the designated contents are displayed on a predetermined portion of the markup screen on which a markup document is reproduced.

**Claim 35 (New):** The information storage medium of claim 33, wherein the event occurrence information comprises:

- a trigger event identifier;
- a video title set identifier of a designated video title set; and
- a navigation pack identifier of a designated navigation pack.

**Claim 36 (New):** The information storage medium of claim 35, wherein the trigger event identifier comprises:  
an application program interface for setting the trigger event and canceling the trigger event.

**Claim 37 (New):** The information storage medium of claim 36,

Page 13 of 22  
Appln. No. 09/935,756  
Preliminary Amendment

wherein the application program interface comprises: parameters including the trigger event identifier, the video title set identifier of the designated video title set, and the navigation identifier of the designated navigation pack.

**Claim 38 (New):** The information storage medium of claim 35, wherein the video title set identifier comprises a video title set number, and the navigation pack identifier comprises: a navigation pack number.

**Claim 39 (New):** The information storage medium of claim 35, wherein the video title set identifier comprises a video object number of the video title set to which a currently reproduced title belongs, and the navigation pack identifier is determined by a point in time at which reproduction of one of the video object units starts.

**Claim 40 (New):** The information storage medium of claim 35, wherein the video title set identifier comprises a program chain number, and the navigation identifier comprises: one of a time and a place of reproduction of a program chain displayed on the screen using a cell elapse time.

**Claim 41 (New):** The information storage medium of claim 35, wherein the video title set identifier comprises a title number, and the navigation pack identifier comprises: one of a time and a place of reproduction of the video title set.

**Claim 42 (New):** A method of playing an information storage medium comprising AV data, which includes a video title set containing at least one video object containing video object units each having an audio pack, a video pack, and a navigation pack, and event occurrence information for generating a predetermined event, the method comprising: interpreting the event occurrence information; and generating the event if a data structure matched with a result of the interpretation of

Page 14 of 22  
Appln. No. 09/935,756  
Preliminary Amendment

the event occurrence information is discovered while the AV data is being decoded.

**Claim 43 (New):** The method of claim 42, wherein the an information storage medium comprises a markup document containing the event occurrence information, and the interpreting of the event occurrence information comprises: reading event occurrence information from the markup document in which a display window for displaying an AV screen on which the video object is reproduced is defined; and detecting place in which the event matched with the interpretation result occurs.

**Claim 44 (New):** The method of claim 43, wherein the video object that is constituted of cells each having the audio pack, the video pack, and the navigation pack, and the generating of the event comprises: reproducing a portion of the AV data corresponding to the place in which the event occurs.

**Claim 45 (New):** The method of claim 44, wherein the generating of the event comprises: outputting designated contents on a screen at a point in time or several milliseconds after the reproduction of the portion of the video object unit corresponding to the navigation pack of the video title set.

**Claim 46 (New):** The method of claim 42, wherein the event occurrence information comprises: a trigger event identifier; a designated video title set identifier; and a designated navigation pack identifier.

**Claim 47 (New):** The method of claim 46, wherein the trigger event identifier comprises: a first identifier for setting a trigger event; and a second identifier for canceling the trigger event.

**Claim 48 (New):** The method of claim 42, wherein the event occurrence information is implemented as an application program interface.

Page 15 of 22  
Appln. No. 09/935,756  
Preliminary Amendment

**Claim 49 (New):** The method of claim 48, wherein the application program interface comprises: parameters including the trigger event identifier, the video title set identifier of a designated video title set, and the navigation pack identifier of a designated navigation pack.

**Claim 50 (New):** An apparatus for playing an information storage medium comprising AV data, which includes a video title set containing at least one video object that is constituted of video object units each having an audio pack, a video pack, and a navigation pack, and event occurrence information for generating a predetermined event, the apparatus comprising: a reader reading the AV data or the event occurrence information; a presentation engine interpreting the read event occurrence information, outputting the interpretation result, and generating the event; and a decoder requesting the presentation engine to generate an appropriate event if a data structure of the AV data matched with the interpretation result received from the presentation engine is discovered during decoding the AV data.

**Claim 51 (New):** The apparatus of claim 50, wherein the information storage medium comprises markup document data containing the event occurrence information, and the presentation engine interprets the event occurrence information read from the markup document defining a display window for displaying an AV screen on which the AV data is reproduced.

**Claim 52 (New):** The apparatus of claim 51, wherein the presentation engine generates the event when the AV data corresponding to the navigation pack of a designated video title set is reproduced.

**Claim 53 (New):** The apparatus of claim 52, wherein the presentation engine provides a screen in accordance with the markup document data and outputs designated contents on the screen at a point in time when or several tens of

Page 16 of 22  
Appln. No. 09/935,756  
Preliminary Amendment

milliseconds after a video object unit corresponding to the navigation pack of the designated video title set starts being reproduced.

**Claim 54 (New):** The apparatus of claim 53, wherein the event occurrence information is implemented as an application program interface.

**Claim 55 (New):** The apparatus of claim 54, wherein the application program interface comprises: parameters including a trigger event identifier, a video title set identifier of the designated video title set, and a navigation pack identifier of the designated navigation pack.

**Claim 56 (New):** The apparatus of claim 55, wherein the trigger event identifier comprises: a first identifier for setting the event; and a second identifier for canceling the event.

**Claim 57 (New):** An information storage medium comprising:  
AV data having a data structure, which includes a video title set containing a video object having a plurality of video object units each having an audio pack, a video pack, and a navigation pack; and  
markup document data containing event occurrence information generating a designated event based on the data structure of the AV data.

**Claim 58 (New):** The information storage medium of claim 57, wherein the event occurrence information comprises:  
event information; and  
a request displaying a content of the AV data on a designated portion of a screen provided by the markup document when the data structure of the AV data is matched with the event information.

**Claim 59 (New):** A method of reproducing data from an information

Page 17 of 22  
Appn. No. 09/935,756  
Preliminary Amendment

storage medium comprising AV data, which comprises a data structure including a video title set containing a video object having a plurality of video object units each having an audio pack, a video pack, and a navigation pack, and markup document data comprising event occurrence information, the method comprising:

reading the markup document data; interpreting the event occurrence information; generating a screen provided by the markup document data; and

displaying a content of the AV data on a portion of the screen according to an event of event occurrence information when the data structure of the AV data is matched with the event occurrence information.

*A/*  
*cont.*

Claim 60 (New): The method of claim 59, wherein the markup document data comprises parameters including a trigger event identifier, a video title set identifier of a designated video title set, and a navigation pack identifier of a designated navigation pack, and generating of the content comprises:

matching the parameters of the markup document data with the navigation pack of the video title set.